

# SAFETY DATA SHEET

## Barge Super Speed TF (DA010)



### Section 1. Identification

**Product identifier used on the label** : Barge Super Speed TF (DA010)

**Other means of identification** : Not available.

#### Recommended use and restrictions

##### Identified uses

Adhesive.

**Supplier's details** : Quabaug Corporation  
18 School Street  
North Brookfield MA 01535  
Tel: 800-325-5022  
Fax: 508-867-4600

**Emergency telephone number (with hours of operation)** : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887 (24/7)

### Section 2. Hazards identification

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 2  
SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] - Category 3  
AQUATIC TOXICITY (ACUTE) - Category 1  
AQUATIC TOXICITY (CHRONIC) - Category 1

#### GHS label elements

##### Hazard pictograms



**Signal word** : Danger

**Hazard statements** : Highly flammable liquid and vapor.  
Causes skin and eye irritation.  
May cause drowsiness and dizziness.  
Very toxic to aquatic life with long lasting effects.

##### Precautionary statements

## Section 2. Hazards identification

- Prevention** : Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash hands thoroughly after handling.
- Response** : Collect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Storage** : Store locked up. Store in a well-ventilated place. Keep cool.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Other hazards which do not result in classification** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

### CAS number/other identifiers

- CAS number** : Not applicable.
- EC number** : Mixture.
- Product code** : Not available.

| Ingredient name     | %       | CAS number |
|---------------------|---------|------------|
| Cyclohexane         | 35 - 60 | 110-82-7   |
| Methyl ethyl ketone | 22 - 40 | 78-93-3    |
| Acetone             | 1 - 7   | 67-64-1    |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

## Section 4. First aid measures

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
- Skin contact** : Causes skin irritation.
- Ingestion** : Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## Section 4. First aid measures

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet or water-based fire extinguishers.

**Specific hazards arising from the chemical** : Highly flammable liquid and vapor. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste disposal contractor.

## Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

- Precautions for safe handling** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

### Occupational exposure limits

| Ingredient name     | Exposure limits  |
|---------------------|--|
| Cyclohexane         | <p><b>ACGIH TLV (United States, 3/2012).</b><br/>TWA: 100 ppm 8 hours.</p> <p><b>NIOSH REL (United States, 6/2009).</b><br/>TWA: 1050 mg/m<sup>3</sup> 10 hours.<br/>TWA: 300 ppm 10 hours.</p> <p><b>OSHA PEL (United States, 6/2010).</b><br/>TWA: 1050 mg/m<sup>3</sup> 8 hours.<br/>TWA: 300 ppm 8 hours.</p>  |
| Methyl ethyl ketone | <p><b>ACGIH TLV (United States, 3/2012).</b><br/>STEL: 885 mg/m<sup>3</sup> 15 minutes.<br/>STEL: 300 ppm 15 minutes.<br/>TWA: 590 mg/m<sup>3</sup> 8 hours.<br/>TWA: 200 ppm 8 hours.</p> <p><b>NIOSH REL (United States, 6/2009).</b><br/>STEL: 885 mg/m<sup>3</sup> 15 minutes.<br/>STEL: 300 ppm 15 minutes.<br/>TWA: 590 mg/m<sup>3</sup> 10 hours.<br/>TWA: 200 ppm 10 hours.</p> <p><b>OSHA PEL (United States, 6/2010).</b><br/>TWA: 590 mg/m<sup>3</sup> 8 hours.<br/>TWA: 200 ppm 8 hours.</p> |
| Acetone             | <p><b>ACGIH TLV (United States, 3/2012).</b><br/>STEL: 1782 mg/m<sup>3</sup> 15 minutes.<br/>STEL: 750 ppm 15 minutes.<br/>TWA: 1188 mg/m<sup>3</sup> 8 hours.<br/>TWA: 500 ppm 8 hours.</p>   |

**NIOSH REL (United States, 6/2009).**  
 TWA: 590 mg/m<sup>3</sup> 10 hours.  
 TWA: 250 ppm 10 hours.  
**OSHA PEL (United States, 6/2010).**  
 TWA: 2400 mg/m<sup>3</sup> 8 hours.  
 TWA: 1000 ppm 8 hours.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

|   |   |
|---|---|
| <b>Physical state</b>                               | : Liquid.   |
| <b>Color</b>  | : Yellow.   |
| <b>Odor</b>   | : Solvent.  |
| <b>Odor threshold</b>                               | : Not available.  |
| <b>pH</b>   | : Not available.  |
| <b>Melting point/freezing point</b>                 | : Not available.  |
| <b>Boiling point/boiling range</b>                  | : 56.11°C (133°F)   |
| <b>Flash point</b>                                  | : Closed cup: -20°C (-4°F) [Tagliabue.]   |
| <b>Evaporation rate</b>                             | : >1 (Butyl acetate = 1)  |
| <b>Flammability (solid, gas)</b>                    | : Not available.  |
| <b>Lower and upper explosive (flammable) limits</b> | : Lower: 1.3%<br>Upper: 12.8%   |
| <b>Vapor pressure</b>                               | : Not available.  |
| <b>Vapor density</b>                                | : >1 [Air = 1]  |
| <b>Relative density</b>                             | : 0.863   |
| <b>Solubility</b>                                   | : Insoluble in the following materials: cold water and hot water.   |
| <b>Partition coefficient: n-octanol/water</b>       | : Not available.  |
| <b>Auto-ignition temperature</b>                    | : Not available.  |
| <b>Decomposition temperature</b>                    | : Not available.  |
| <b>SADT</b>   | : Not available.  |
| <b>Viscosity</b>                                    | : Dynamic (room temperature): 3250 mPa·s (3250 cP)<br>Kinematic (40°C (104°F)): 37.66 cm <sup>2</sup> /s (3766 cSt) |
| <b>VOC content</b>                                  | : 5.35 lbs/gal (641 g/l)  |
| <b>Volatility</b>                                   | : 75.3686% (w/w)  |

## Section 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.   |
| <b>Chemical stability</b>                 | : The product is stable.   |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.  |
| <b>Conditions to avoid</b>                | : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. |
| <b>Incompatible materials</b>             | : Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.   |
| <b>Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.   |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result      | Species | Dose       | Exposure |
|-------------------------|-------------|---------|------------|----------|
| Cyclohexane             | LD50 Oral   | Rat     | 6240 mg/kg | -        |
| Methyl ethyl ketone     | LD50 Dermal | Rabbit  | 6480 mg/kg | -        |
|                         | LD50 Oral   | Rat     | 2737 mg/kg | -        |
| Acetone                 | LD50 Oral   | Rat     | 5800 mg/kg | -        |

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure        | Observation |
|-------------------------|--------------------------|---------|-------|-----------------|-------------|
| Methyl ethyl ketone     | Skin - Mild irritant     | Rabbit  | -     | 24 hours 14 mg  | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 mg | -           |
| Acetone                 | Eyes - Mild irritant     | Human   | -     | 186300 ppm      | -           |
|                         | Eyes - Mild irritant     | Rabbit  | -     | 10 µL           | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 mg  | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 20 mg           | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 mg | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 395 mg          | -           |

#### Sensitization

**Skin** : There is no data available.

**Respiratory** : There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

There is no data available.

#### Classification

| Product/ingredient name | ACGIH | IARC | EPA | NIOSH | NTP | OSHA |
|-------------------------|-------|------|-----|-------|-----|------|
| Acetone                 | A4    | -    | -   | -     | -   | -    |

#### Reproductive toxicity

There is no data available.

#### Teratogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)

| Name                | Category   | Route of exposure | Target organs    |
|---------------------|------------|-------------------|------------------|
| Cyclohexane         | Category 3 | Not applicable.   | Narcotic effects |
| Methyl ethyl ketone | Category 3 | Not applicable.   | Narcotic effects |
| Acetone             | Category 3 | Not applicable.   | Narcotic effects |

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

| Name        | Result                         |
|-------------|--------------------------------|
| Cyclohexane | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.



## Section 11. Toxicological information

- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
- Skin contact** : Causes skin irritation.
- Ingestion** : Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No known significant effects or critical hazards.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

#### Potential chronic health effects

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

There is no data available.

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result   | Species  | Exposure  |
|-------------------------|--|--|---|
| Cyclohexane             | Acute LC50 8300 µg/l Marine water  | Fish - Morone saxatilis - Juvenile (Fledgling, Hatchling, Weanling)  | 96 hours  |
| Methyl ethyl ketone     | Acute EC50 >500000 µg/l Marine water<br>Acute EC50 5091000 µg/l Fresh water<br>Acute LC50 5600000 µg/l Fresh water   | Algae - Skeletonema costatum<br>Daphnia - Daphnia magna - Larvae<br>Fish - Gambusia affinis - Adult  | 96 hours<br>48 hours<br>96 hours                                    |
| Acetone                 | Acute EC50 20.565 mg/l Marine water<br>Acute LC50 6000000 µg/l Fresh water<br>Acute LC50 10000 µg/l Fresh water<br>Acute LC50 5600 ppm Fresh water<br>Chronic NOEC 4.95 mg/L Marine water<br>Chronic NOEC 0.1 ml/L Fresh water | Algae - Ulva pertusa<br>Crustaceans - Gammarus pulex<br>Daphnia - Daphnia magna<br>Fish - Poecilia reticulata<br>Algae - Ulva pertusa<br>Daphnia - Daphnia magna - Neonate | 96 hours<br>48 hours<br>48 hours<br>96 hours<br>96 hours<br>21 days |

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF         | Potential |
|-------------------------|--------------------|-------------|-----------|
| Cyclohexane             | 3.4                | 83.17637711 | low       |
| Methyl ethyl ketone     | 0.29               | -           | low       |
| Acetone                 | -0.24              | -           | low       |

### Mobility in soil






**Soil/water partition coefficient (K<sub>oc</sub>)** : There is no data available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                                     | DOT   | IMDG   | IATA   |
|-------------------------------------|---|--|--|
| <b>UN number</b>                    | UN1133  | UN1133   | UN1133   |
| <b>UN proper shipping name</b>      | ADHESIVES RQ(Cyclohexane, Methyl Ethyl Ketone)  | ADHESIVES. Marine pollutant (Cyclohexane)  | ADHESIVES  |
| <b>Transport hazard class(es)</b>   | 3<br>  | 3<br>    | 3<br>    |
| <b>Packing group</b>                | II  | II   | II   |
| <b>Environmental hazards</b>        | No.   | Yes.   | Yes.   |
| <b>Special precautions for user</b> | <b>Transport within user's premises:</b><br>always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.  | <b>Transport within user's premises:</b><br>always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. | <b>Transport within user's premises:</b><br>always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. |
| <b>Additional information</b>       | <b>Reportable quantity</b><br>1666.7 lbs / 756.67 kg [231.57 gal / 876.58 L]<br>Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.<br><b>Remarks</b><br>SMALL QUANTITY (1 gallon or less):<br>ORM-D; CONSUMER COMMODITY | <b>Emergency schedules (EmS)</b><br>F-E, S-D   | -  |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**Safety, health and environmental regulations specific for the product** : No known specific national and/or regional regulations applicable to this product (including its ingredients).

**U.S. Federal regulations** :

- TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
- United States inventory (TSCA 8b):** All components are listed or exempted.
- SARA 302/304/311/312 extremely hazardous substances:** No products were found.
- SARA 302/304 emergency planning and notification:** No products were found.
- SARA 302/304/311/312 hazardous chemicals:** Cyclohexane; Methyl ethyl ketone; Acetone
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification:**  
Cyclohexane: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Methyl ethyl ketone: Fire hazard, Immediate (acute) health hazard,

## Section 15. Regulatory information

Delayed (chronic) health hazard; Acetone: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

**Clean Water Act (CWA) 311:** Cyclohexane

**Clean Air Act Section 112** : Not listed

**(b) Hazardous Air Pollutants (HAPs)**

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Listed

### SARA 313

|  | Product name                       | CAS number          | Concentration      |
|--|------------------------------------|---------------------|--------------------|
| <b>Form R - Reporting requirements</b> | Cyclohexane<br>Methyl ethyl ketone | 110-82-7<br>78-93-3 | 35 - 60<br>22 - 40 |
| <b>Supplier notification</b>           | Cyclohexane<br>Methyl ethyl ketone | 110-82-7<br>78-93-3 | 35 - 60<br>22 - 40 |

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

### State regulations

**Massachusetts** : The following components are listed: Cyclohexane; Methyl ethyl ketone; Acetone

**New York** : The following components are listed: Cyclohexane; Methyl ethyl ketone; Acetone

**New Jersey** : The following components are listed: Cyclohexane; Methyl ethyl ketone; Acetone

**Pennsylvania** : The following components are listed: Cyclohexane; Methyl ethyl ketone; Acetone

### California Prop. 65

No products were found.

## Section 16. Other information

### History

**Date of issue mm/dd/yyyy** : 11/15/2012

**Version** : 1

**Prepared by** : KMK Regulatory Services Inc.

| Classification  | Justification   |
|---|---|
| Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>STOT SE 3, H336<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

## Section 16. Other information

### Key to abbreviations

- : ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.